



PATENT ABSTRACTS OF JAPAN

(11) Publication number: **01286750 A**(43) Date of publication of application: **17.11.89**

(51) Int. Cl. **H02K 7/18**
F16H 35/00

(21) Application number: **63114449**(71) Applicant: **FUJI HEAVY IND LTD**(22) Date of filing: **10.05.88**(72) Inventor: **KASHIWASE HAJIME**(54) **GENERATOR FOR MOTORCAR**

COPYRIGHT: (C)1989,JPO&Japio

(57) Abstract:

PURPOSE: To prevent a generator from excessively rotating by interposing a clutch for disconnecting a reversing unit from a rotor shaft when the rotating speed of the shaft rises to a predetermined value or more between the reversing unit and the shaft.

CONSTITUTION: A rotor shaft 2 is rotatably supported to an approximately cylindrical casing 1 through bearings 2a, 2b. A pulley 3 is mounted on the shaft 2 at its protrusion, and connected to the driving pulley of an engine through a belt 4 to be rotated. A rotor coil 6 is provided at the position in the casing of the shaft 2, and the stator coil 8 of a stator holding member 7 is disposed oppositely thereto. A reversing unit 16 is composed of a holding member 12, an idle gear 13, a rotor gear 14, etc. Further, a centrifugal clutch 18 is provided between the gear 14 and the shaft 2. Thus, when the shaft rotates at a low speed, its rotating speed is increased through the clutch 18 and the unit 16, while when it rotates at a predetermined speed or over, the clutch 18 is disconnected to stop the rotation of the stator.

